

PATENT

Attorney Docket No. A-70345-1/RBC/VEJ  
Application No. 10/759,575*In the Claims:*

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Previously presented) A joinery member with fastener pocket and fastener comprising:
  - a joinery member having a fastener pocket formed therein proximate an edge thereof, and a fastener-receiving bore extending from said pocket to said edge; and
  - a fastener having a shank portion and being mounted in said pocket with said shank portion mounted in said bore to, said shank portion having a diameter sufficiently greater than a diameter of said bore to frictionally retain said fastener member in said bore as a result of an interference fit with said bore.
2. (Previously presented) The joinery member with fastener pocket and fastener of claim 1 wherein,
  - said fastener is a pocket screw and is mounted in said pocket in a position entirely inwardly of a surface of said joinery member in which said pocket is formed.
3. (Previously presented) The joinery member with fastener pocket and fastener of claim 2 wherein,
  - said screw is mounted in said pocket in a position entirely inwardly of said edge having said bore therein.
4. (Previously presented) The joinery member with fastener pocket and fastener of claim 1 wherein,
  - said fastener is a pocket screw, and
  - said shank diameter is larger than a threaded end of said screw.
5. (Previously presented) The joinery member with fastener pocket and fastener of claim 1 wherein,

PATENT

Attorney Docket No. A-70345-1/RBC/VEJ  
Application No. 10/759,575

said bore has an elongated cross section.

6. (Previously presented) The joinery member with fastener pocket and fastener of claim 5 wherein,

said elongated transverse cross section is oriented to extend with a small dimension of said elongated transverse cross section oriented in a direction of greatest length of said joinery member, and

said shank portion is cylindrical with a shank diameter greater than said small dimension of said elongated transverse cross section.

7. (Previously presented) The joinery member with fastener pocket and fastener of claim 6 wherein,

said shank diameter is not larger in diameter than a large dimension of said elongated transverse cross section.

8. (Previously presented) The joinery member with fastener pocket and fastener of claim 1 wherein,

said joinery member is comprised of at least one of: a wooden member, a composite wood-based member, and a thermoplastic member.

9. (Previously presented) The joinery member with fastener pocket and fastener of claim 1 wherein,

said pocket is an arcuate pocket increasing in depth in a direction toward said edge and is formed in a surface of said joinery member proximate said edge.

10. (Previously presented) The joinery member with fastener pocket and fastener of claim 1 wherein,

said joinery member is formed with a plurality of pockets each having a fastener-receiving bore extending from the pocket to an edge of said joinery member; and

AMENDMENT AND REPLY

3 of 10

(1156164)

PATENT

Attorney Docket No. A-70345-1/RBC/VIL  
Application No. 10/759,575

a plurality of fasteners mounted in said pockets with a shank portion of each said fastener being sufficiently larger in diameter than said bore in each of said plurality of pockets to frictionally retain each said fastener in each said bore.

11. (Previously presented) The joinery member with fastener pocket and fastener of claim 10 wherein,

said fasteners are each wood screws.

12. (Previously presented) A process for forming a pocket joinery assembly comprising the steps of:

forming a fastener pocket in a surface of a joinery member proximate and spaced from an edge of said joinery member;

forming a fastener-receiving bore in said joinery member, said bore extending between said edge and said fastener pocket; and

thereafter mounting a joinery fastener having a pointed end in said fastener pocket with said pointed end of said fastener extending into said bore and said fastener having a diameter sufficient to frictionally secure said fastener in said bore in interference fit with in said bore.

13. (Original) The process as defined in claim 12 wherein,

said mounting step is accomplished by mounting a screw having a shank portion with a shank diameter larger than a diameter of said bore into said bore to frictionally secure said screw in said bore by said shank portion.

14. (Original) The process as defined in claim 13 wherein,

said mounting step is accomplished by mounting a screw into said pocket with a threaded pointed end of said screw positioned in said bore inwardly of said edge and a head end of said screw positioned inwardly of said surface.

15. (Original) The process as defined in claim 12 wherein,

PATENT

Attorney Docket No. A-70345-1/RBC/VEJ  
Application No. 10/759,575

said step of forming a fastener pocket is accomplished by routing a pocket into said surface, said pocket being progressively deeper in a direction toward said edge; and

said step of forming a fastener-receiving bore is accomplished by drilling said bore from said edge toward said pocket.

16. (Previously presented) The process as defined in claim 12 wherein, said steps of forming a fastener pocket, forming a fastener-receiving bore and mounting a joinery fastener are all accomplished while said joinery member is being advanced along an automated processing line.

17. (Previously presented) The process as defined in claim 16 wherein, said step of forming a fastener pocket is accomplished by rotating a router into engagement with said joinery member while said router is advanced at a rate of advancement of said joinery member along said automated processing line.

18. (Previously presented) The process as defined in claim 16 wherein, said step of forming a fastener-receiving bore is accomplished by advancing a drill into said joinery member from said edge in an inwardly direction while said drill is advanced at a rate of advancement of said joinery member along said automated processing line.

19. (Previously presented) The process as defined in claim 16 wherein, said step of mounting a joinery fastener is accomplished by positioning a pocket screw in said pocket with a threaded end pointed aligned with said bore, and thereafter pressing said pocket screw into said pocket, with said positioning and pressing steps being accomplished while said joinery member is being advanced along said automated processing line.

20. (Original) The process as defined in claim 12 wherein, said step of forming a fastener pocket, forming a faster-receiving bore and mounting a joinery fastener are all accomplished by moving the joinery member from one fixed processing station to another fixed processing station.

AMENDMENT AND REPLY

5 of 10

(1156164)

PATENT

Attorney Docket No. A-70345-14KBC/VEJ  
Application No. 10/759,575

21. (Previously presented) The process as defined in claim 12, and the steps of:  
after said mounting step, positioning said joinery member in abutting relation to another  
joinery member, and

securing said joinery member to said another joinery member by driving said fastener  
through said joinery member and into said another joinery member.

22. (Previously presented) The process as defined in claim 12, and the steps of:  
after said mounting step moving said joinery member with said fastener mounted thereto  
from a fastener placement station to an assembly station;  
thereafter assembling said joinery member to another joinery member; and  
thereafter driving said fastener through said joinery member and into said another joinery  
member in order to secure said joinery member to said another joinery member.

23-29. (Canceled)

30. (Previously presented) A joinery member comprising:  
a member having an end wall with a small dimension in one plane and a larger dimension  
in another plane substantially perpendicular to said one plane; and  
a fastener receiving bore with an elongated transverse cross section formed in said  
member and penetrating said end wall, said bore having a longitudinal axis, a large dimension  
oriented to extend substantially in said one plane and substantially perpendicular to said  
longitudinal axis and a small dimension substantially perpendicular to said large dimension, and  
oriented to extend substantially in said another plane and substantially perpendicular to said  
longitudinal axis.

31. (Original) The joinery member as defined in claim 30 wherein,  
said member has a thickness dimension less than a width dimension at an edge thereof,  
said bore extends from a pocket proximate said edge to said edge, and

PATENT

Attorney Docket No. A-70345-LRBCVEJ  
Application No. 10/759,575

said large dimension of said elongated bore is oriented to extend across said thickness dimension.

32. (Previously presented) The joinery member as defined in claim 31, and a screw having a cylindrical shank with a shank diameter greater than said small dimension of said bore and about equal to said large dimension of said bore, said screw being mounted in said screw pocket with said shank positioned in said bore.

33-50. (Canceled)

51. (Previously presented) The joinery member with fastener pocket and fastener of claim 1 wherein,  
said bore is non-cylindrical.

52. (Previously presented) The process as defined in claim 12 wherein,  
said bore is non-cylindrical.

53. (Previously presented) The joinery member as defined in claim 30 wherein,  
said bore is non-cylindrical.

54. (Previously presented) A joinery member comprising:  
a member having an end wall and a pocket proximate said end wall, said pocket being dimensioned to receive an enlarged head of a fastener; and  
a fastener receiving bore formed in said member extending from said pocket toward and penetrating said end wall, said bore having a longitudinal axis and an elongated transverse cross section with a large dimension extending in one direction and a small dimension extending in another direction intersecting said one direction, wherein each of said large dimension and said small dimension extend substantially perpendicular to said longitudinal axis.

PATENT

Attorney Docket No. A-70345-1/RBC/VEJ  
Appheanon No. 10/759,575

55. (Currently amended) The joinery member as defined in claim 54 ~~[[--and]]~~ further comprising:

a screw having a cylindrical shank with a shank diameter greater than said small dimension of said bore and about equal to said large dimension of said bore, said screw being mounted in said screw pocket with said shank positioned in said bore.

AMENDMENT AND REPLY

8 of 10

(1156164)